

**INSTRUMENTATION FACT SHEET
FOR KECK OBSERVATORY TELESCOPES**

JANUARY 1997

I KECK OBSERVATORY INSTRUMENTS:

Keck Observatory instruments available for the 97B semester are:

- Keck I (1) HIRES - High Resolution Echelle Spectrometer
 (2) NIRC - Near Infrared Camera
 (3) LWS - Long Wavelength Spectrometer (See NOTE 2)
- Keck II (1) LRIS - Low Resolution Imaging Spectrometer
 (2) Visitor Instrument Packages

The keck telescope guide is available on the Keck public web site at <http://www2.keck.hawaii.edu:3636/realpublic/observing/kecktelgde/ktelgde-1.html> and may also be accessed by clicking on "Keck Telescope Guide" on our home page at:

<http://stargate.jpl.nasa.gov/keck/index.html>

A printed copy is included as Appendix A in the *NASA-Keck Proposal Information Handbook* (Document 729-97-001).

NOTE 1: The Iodine cell for HIRES on Keck I was not available for general use during the 96B2 and 97A semesters. Its availability for the fall (97B) semester remains uncertain at this time (1/15/97). Please contact Jay Bergstralh for its current status.

Phone: (202) 358-0313
Fax: (202) 358-3097
e-mail: jay.bergstralh@hq.nasa.gov

NOTE 2: ATTENTION TO ALL PI's PROPOSING TO USE THE LWS:

Unfortunately, the LWS has been experiencing serious technical problems and the cause is still being investigated. There is a suspicion that the most serious problem, an intermittent open circuit within the dewar to the array, is a fault on the array itself. In mid-January the detector array was removed from the dewar with the hope that contacts can be improved to solve the problem. Updates will be provided as soon as anything definitive is known.

All NASA-Keck PI's who wish to propose to use the Long Wavelength Spectrometer are encouraged to contact Mike Klein, Manager of the Observatory Support Office at JPL, to request updated status reports and to add your name to a list that Mike will maintain for additional updates as progress is made with the LWS.

Phone: (818) 354-7132
FAX: (818) 354-6290
e-mail: Michael.J.Klein@jpl.nasa.gov

II VISITOR INSTRUMENTS

The document *Interfacing Visitor Instruments to the Keck Telescopes* is a guide to convey essential information needed by an instrument builder to judge the compatibility of the instrument with the Keck telescopes and to estimate the effort required to observe with it on one of the telescopes. It is not intended that the guide provide all the information needed before an instrument is brought to Hawaii as many more details need to be settled before that could happen, through exchange of information between instrument and telescope engineers.

Those proposing to use a visitor instrument must contact Keck Observatory in advance of submitting their application for time. Then the application must affirm that the observatory is prepared to give serious consideration to mounting the instrument and supporting its operation. This is necessary because the period available between applications closing and the TAC

meeting is too short to allow an adequate assessment of the observatory resources needed to support using the instrument.

The visitor instrument guide is available on the Keck public web site at <http://www2.keck.hawaii.edu:3636/realpublic/observing/interfacvinst/ifvifrm-1.html> and may also be accessed by clicking on "Interfacing Visitor Instruments to the Keck Telescope" on our home page at:

<http://stargate.jpl.nasa.gov/keck/index.html>

A printed copy is included as Appendix B in the *NASA-Keck Proposal Information Handbook (Document 729-97-001)*.